



Certificate of Achievement

Abdul Rahim Wong

has completed the following course:

TEACHING PROBABILITY
CAMBRIDGE UNIVERSITY PRESS

This online course explored the importance of probability, and provided an informed rationale for teaching this subject. It also covered a range of alternative approaches and ideas to use in the classroom, and looked at the type of questions commonly asked in examinations.

3 weeks, 3 hours per week



David Spiegelhalter
Winton Professor for the Public Understanding of Risk
Cambridge University Press



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The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.

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has completed the following course:

TEACHING PROBABILITY **CAMBRIDGE UNIVERSITY PRESS**

This online course explored the importance of probability, identified current teaching approaches and considered alternatives, thereby providing an informed rationale for teaching this subject. It looked at the frequency-based approach and tree diagrams in detail, showing learners how to plan a learning sequence that incorporated practical experimental work and data gathering. The course finished by reviewing the type of questions that are commonly used in examinations.

STUDY REQUIREMENT

3 weeks, 3 hours per week

LEARNING OUTCOMES

- Evaluate the current teaching of probability in schools.
- Apply frequency-based experimental and simulation approaches to tackling problems in probability.
- Model conditional probability scenarios, including topical real-world situations, using experiments and simulations.
- Compare theoretical and experimental approaches, focusing on the gap between 'real-world' and abstract treatments of probability.
- Reflect on the potential of frequency-based approaches to make the teaching of probability more meaningful, and to effectively tackle challenging exam-style questions.

SYLLABUS

- Consideration of probability from everyday experience, and a review of how it is currently taught
- Theoretical and experimental approaches, extending to consideration of frequencies

- Conditional probability and data modelling
- Representation of data, including frequency trees and Venn diagrams
- Set theory
- Independent and mutually exclusive events